

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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Solve each quadratic equation using the best method.

1.  $2x^2 - 100 = 0$

2.  $36x = 9x^2$

3.  $25x + 11 = -6x^2$

4.  $4x^2 + 9x = -1$

5.  $(x+2)^2 + 1 = 15$

6.  $x^2 + 4x = 14$ 

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Solve each quadratic equation using the best method.

7.  $4x^2 - 200 = 0$

8.  $81x^2 - 144 = 0$

9.  $x^2 + 2x - 7 = 0$

10.  $4x^2 + 2 = -9x$

11.  $(x-3)^2 - 64 = 0$

12.  $4x^2 + x - 10 = x^2 + 8$ 

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